INSPIRE™ UNIVERSAL 4-WIRE COLOR THERMOSTAT SYSTEM

Upgrade Single Stage Applications to Premium High-Efficiency Systems (Staging, Heat Pump or Heat Pump with Dual Fuel) – Using Existing 4 Wires

1HDEZ-1521
Includes User Interface and Equipment Control

FEATURES

- Reusable plug-in configuration tool – eliminates multiple trips up and down stairs during set up and system testing.
- USB port to quickly upload your favorite Installation Settings, Programs and personalized Company Contact Information.
- 5/8″ thin profile with vibrant color display.
- Color coded LEDs provide positive feedback for easy setup.
- Dehumidification, humidification.

DIMENSION

Interface ..... 3 1/4″H x 6 1/8″W x 5/8″D
Control ..... 5 1/2″H x 5 3/4″W x 1 1/2″D

SPECIFICATIONS

Electrical Rating:
Hardwire . . . . . 20-30 VAC, NEC Class II 50/60Hz or DC
Terminal Load . . . . . 1.5 A per terminal,
2.5 A maximum load (all terminals combined)
Setpoint Range . . . . . 45 to 99°F (7 to 37°C)
Rated Differential . . . . . Heat 0.6°F; Cool 1.2°F
Operating Ambient . . . . . 32 to +105°F (0 to +41°C) – Interface
-30 to +150°F (-34 to 66°C) – Control
Operating Humidity Range . . . . . 90% non-condensing maximum

PARTS AND ACCESSORIES

See end of thermostats section for additional parts and accessories

- F4-1400 — Thermostat Plug-in Configuration Tool
- F145-1378 — Outdoor Remote Sensor
- F29-0198 — Locking Thermostat Guard - Clear Plastic
- F29-0220 — Locking Thermostat Guard - Metal, Solid Base
- F29-0222 — Locking Thermostat Guard - Metal, Ring Base

TECHNICAL HELP

Connections.....See page 127

TECH PAGES 127

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Single Stage	Multi-Stage	Heat Pump	Programs		Model	Applications					Selectable Performance Features												Display Size (Square inches)	Terminals
Stages Heat/Cool by System			Program Options	Periods per day Options	Model Number	Gas / Oil / Electric	3 Wire Zone Valve	Millivolt Compatible	Humidity Control (H)-Humidity / (D)-Dihumidity	Thermostat Power Source*	Auto Changeover	Programmable Fan	Energy Aware	Comfort Alert® A.C. System Protection (P)-Passive/(A)-Active§	Dual Fuel Heat Pump Control (L)-Logic/(O)-Outdoor Sensor	Dual Fuel Heat Stages HP/Gas	Aux. Heat Lockout with Outdoor Sensor◆	Keypad Lockout (T)-Total/(P)-Partial	Setpoint Temperature Limits Adjustable Max./Min.	Indoor Remote Sensors Max. Number + Thermostat Average and/or Weighted	Remote Temperature Sensing		
1/1	2/2	4/2	7, Ø	4, Ø	1HDEZ-1521	✓			H,D	H	✓		✓	A	0‡	2/2	✓		✓		1	5.5	RC, RH, C, W/E, W2, Y, Y2, O/B, G, L, +, S, -, DHM, DHM2, HM, HM2, R, 1, 2, C- Thermostat 1, 2, C, R

*H = Hardwired (Requires Common)

◆ When used with an outdoor sensor provides options to lock out auxiliary heat above selected outdoor temperature.